

**NETWORK SELECTION METHODS AND APPARATUS WITH HOME  
NETWORK PRIORITIZATION AFTER NETWORK SIGNAL RECOVERY  
OR POWER-ON**

5

**ABSTRACT**

Network selection methods and apparatus with home network prioritization after network signal recovery and/or power-on are disclosed. In one illustrative example involving automatic network selection, a mobile station (200) selects and operates with a non-home communication network (406). The mobile station (200) then experiences an out-of-coverage condition (or a power down condition) but subsequently regains signal coverage (or is powered back on). In response, the mobile station (200) scans to identify a plurality of communication networks in its coverage area. If a home network (402) is identified as being available, the mobile station (200) selects and operates with the home network (402). Otherwise, if the previous non-home network (406) (e.g. the RPLMN) is identified as being available, the mobile station (200) continues operation with the previous non-home network (406).

20

25